

TABLE 54. Total and federally financed R&D expenditures in the medical sciences at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

| Rank | Institution | Total | | | | Federally financed | | | |
|------|--|------------|------------|------------|------------|--------------------|-----------|-----------|-----------|
| | | 2002 | 2003 | 2004 | 2005 | 2002 | 2003 | 2004 | 2005 |
| | All institutions | 11,487,650 | 12,779,176 | 14,036,772 | 14,874,257 | 7,206,606 | 8,242,493 | 9,389,011 | 9,898,274 |
| 1 | U. CA, San Francisco | 505,703 | 581,024 | 655,164 | 684,829 | 263,802 | 308,271 | 363,563 | 386,327 |
| 2 | U. CA, Los Angeles | 537,772 | 583,167 | 542,745 | 563,613 | 247,311 | 285,481 | 314,885 | 332,692 |
| 3 | Johns Hopkins U., The ^a | 347,468 | 383,945 | 430,141 | 468,404 | 282,113 | 313,602 | 350,909 | 380,345 |
| 4 | Duke U. | 299,704 | 366,539 | 355,060 | 449,006 | 155,482 | 188,586 | 219,195 | 242,207 |
| 5 | U. Pittsburgh all campuses | 321,572 | 332,214 | 372,068 | 416,382 | 251,920 | 280,529 | 316,980 | 341,308 |
| 6 | U. WA | 284,686 | 311,786 | 374,135 | 380,970 | 218,691 | 256,534 | 328,194 | 327,365 |
| 7 | Stanford U. | 286,805 | 314,088 | 352,967 | 369,032 | 221,964 | 244,169 | 278,738 | 294,503 |
| 8 | U. PA | 253,871 | 276,153 | 296,842 | 330,178 | 196,534 | 206,835 | 219,636 | 237,837 |
| 9 | U. CA, San Diego | 241,406 | 271,570 | 297,330 | 329,104 | 145,766 | 166,887 | 193,365 | 216,561 |
| 10 | Washington U. St. Louis | 205,172 | 230,511 | 261,722 | 284,068 | 138,263 | 160,898 | 190,661 | 209,301 |
| 11 | U. WI Madison | 228,724 | 254,282 | 272,640 | 274,207 | 96,547 | 114,916 | 131,296 | 143,683 |
| 12 | U. MI all campuses | 205,213 | 244,181 | 248,080 | 264,077 | 132,419 | 158,448 | 170,700 | 187,636 |
| 13 | U. MN all campuses | 231,995 | 235,350 | 249,193 | 257,309 | 159,548 | 153,523 | 160,320 | 164,148 |
| 14 | Harvard U. | 224,969 | 242,559 | 287,594 | 252,985 | 190,970 | 208,562 | 253,858 | 225,532 |
| 15 | Yale U. | 200,308 | 218,440 | 245,106 | 247,481 | 153,602 | 167,346 | 192,715 | 191,926 |
| 16 | U. MD Baltimore | 213,458 | 237,817 | 253,834 | 243,517 | 93,614 | 100,925 | 112,977 | 103,416 |
| 17 | U. Southern CA | 184,196 | 200,561 | 210,001 | 224,343 | 121,590 | 137,508 | 144,882 | 157,793 |
| 18 | Baylor C. of Medicine | 194,722 | 224,420 | 238,237 | 222,947 | 94,204 | 115,695 | 127,093 | 125,630 |
| 19 | U. CO all campuses | 151,887 | 177,847 | 205,313 | 219,034 | 126,065 | 152,926 | 175,535 | 185,860 |
| 20 | Columbia U. in the City of NY | 177,161 | 184,523 | 196,759 | 210,729 | 148,940 | 157,648 | 169,272 | 183,008 |
| 21 | U. AL Birmingham, The | 164,272 | 179,415 | 193,390 | 210,668 | 138,804 | 152,411 | 158,762 | 186,578 |
| 22 | U. TX M. D. Anderson Cancer Ctr. | 148,715 | 150,150 | 175,286 | 208,920 | 62,451 | 56,709 | 69,144 | 84,689 |
| 23 | Cornell U. all campuses | 175,155 | 194,184 | 198,299 | 205,905 | 103,438 | 125,080 | 136,419 | 148,417 |
| 24 | Emory U. | 150,660 | 190,824 | 188,308 | 201,751 | 95,171 | 126,740 | 136,654 | 148,947 |
| 25 | OH State U. all campuses | 96,930 | 107,610 | 108,227 | 198,744 | 54,837 | 55,686 | 65,363 | 95,364 |
| 26 | Wake Forest U. | 108,418 | 127,528 | 129,956 | 181,139 | 89,581 | 106,396 | 116,889 | 138,418 |
| 27 | U. TX Southwestern Medical Ctr. Dallas | 145,189 | 154,194 | 178,652 | 177,855 | 86,083 | 101,573 | 115,162 | 114,816 |
| 28 | U. IA | 150,216 | 147,960 | 152,119 | 168,985 | 95,369 | 105,789 | 110,048 | 117,959 |
| 29 | Northwestern U. | 117,787 | 138,904 | 156,735 | 168,429 | 67,934 | 79,523 | 90,588 | 90,047 |
| 30 | U. Rochester | 121,966 | 137,060 | 156,924 | 168,186 | 82,217 | 90,075 | 103,961 | 110,515 |
| 31 | U. Cincinnati all campuses | 112,288 | 140,722 | 152,739 | 162,638 | 86,758 | 115,730 | 122,229 | 131,698 |
| 32 | U. South FL | 128,491 | 134,865 | 155,611 | 159,022 | 49,329 | 57,085 | 72,311 | 80,543 |
| 33 | U. IL Chicago | 128,276 | 145,433 | 158,381 | 157,764 | 70,015 | 81,795 | 95,496 | 99,420 |
| 34 | Boston U. | 119,867 | 141,491 | 153,154 | 157,144 | 104,378 | 125,473 | 136,144 | 143,892 |
| 35 | U. CA, Davis | 106,874 | 128,766 | 139,988 | 156,028 | 52,203 | 69,203 | 78,439 | 90,442 |
| 36 | U. of Medicine and Dentistry NJ | 108,675 | 108,735 | 127,572 | 150,644 | 45,118 | 50,508 | 62,124 | 82,498 |
| 37 | Mt. Sinai School of Medicine | 120,468 | 120,557 | 128,357 | 150,203 | 81,918 | 87,647 | 118,559 | 123,159 |
| 38 | U. NC Chapel Hill | 140,192 | 145,126 | 144,504 | 145,786 | 99,906 | 105,951 | 112,888 | 109,490 |
| 39 | Vanderbilt U. | 74,042 | 100,778 | 121,888 | 141,063 | 60,056 | 80,036 | 99,315 | 112,734 |
| 40 | Case Western Reserve U. | 119,958 | 134,782 | 112,884 | 140,150 | 110,871 | 124,208 | 102,853 | 85,616 |
| 41 | U. Chicago | 117,468 | 126,964 | 127,312 | 135,652 | 93,985 | 98,117 | 103,512 | 108,382 |
| 42 | IN U. all campuses | 116,922 | 136,549 | 146,109 | 129,603 | 56,887 | 65,513 | 69,055 | 69,906 |
| 43 | U. FL | 94,775 | 118,105 | 116,977 | 127,460 | 43,470 | 53,390 | 62,355 | 61,140 |
| 44 | SUNY Buffalo all campuses | 100,858 | 103,221 | 116,764 | 125,108 | 46,316 | 48,074 | 56,133 | 62,408 |
| 45 | Wayne State U. | 152,591 | 163,851 | 175,377 | 123,263 | 73,575 | 79,939 | 90,676 | 67,032 |
| 46 | Dartmouth C. | 83,062 | 98,515 | 115,469 | 123,076 | 57,803 | 65,959 | 81,877 | 85,535 |
| 47 | NY U. | 88,315 | 92,855 | 125,925 | 118,680 | 48,019 | 55,995 | 75,964 | 72,548 |
| 48 | U. AZ | 97,842 | 109,167 | 106,460 | 116,639 | 58,334 | 68,726 | 68,450 | 68,347 |
| 49 | U. Miami | 92,920 | 95,137 | 104,546 | 113,966 | 54,257 | 60,238 | 65,119 | 74,083 |
| 50 | OR Health & Science U. | 90,513 e | 98,228 | 104,593 | 113,059 | 67,445 e | 75,901 | 85,296 | 93,655 |

TABLE 54. Total and federally financed R&D expenditures in the medical sciences at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

| Rank | Institution | Total | | | | Federally financed | | | |
|------|--|----------|----------|----------|---------|--------------------|----------|----------|--------|
| | | 2002 | 2003 | 2004 | 2005 | 2002 | 2003 | 2004 | 2005 |
| 51 | Yeshiva U. | 85,696 | 96,665 | 99,873 | 106,626 | 62,322 | 70,299 | 82,578 | 87,687 |
| 52 | U. UT | 69,203 | 77,267 | 87,181 | 97,317 | 52,553 | 58,838 | 68,211 | 74,333 |
| 53 | U. VA all campuses | 65,520 | 76,804 | 89,205 | 96,053 | 55,053 | 64,645 | 73,731 | 80,777 |
| 54 | Medical C. WI | 57,546 | 65,860 | 97,091 | 93,744 | 45,371 | 50,347 | 70,113 | 67,176 |
| 55 | U. CA, Irvine | 63,125 | 72,781 | 84,592 | 91,955 | 28,812 | 35,618 | 43,386 | 46,452 |
| 56 | U. KY all campuses | 63,885 | 73,423 | 84,660 | 90,718 | 27,765 | 36,580 | 43,533 | 46,010 |
| 57 | U. TX Health Science Ctr. San Antonio | 78,354 | 74,650 | 84,176 | 86,153 | 47,384 | 48,543 | 53,705 | 54,524 |
| 58 | PA State U. all campuses | 59,892 | 65,308 | 79,778 | 84,038 | 48,076 | 48,779 | 51,317 | 54,023 |
| 59 | Georgetown U. | 66,927 | 76,247 | 84,276 | 83,726 | 51,264 | 60,148 | 67,054 | 72,475 |
| 60 | U. Louisville | 49,716 | 55,551 | 74,949 | 81,363 | 23,962 | 24,871 | 37,614 | 44,294 |
| 61 | U. CT all campuses | 61,609 | 71,794 | 77,955 | 80,193 | 27,925 | 27,374 | 39,043 | 41,047 |
| 62 | U. TX Medical Branch | 59,266 | 67,141 | 75,378 | 79,423 | 35,796 | 47,812 | 46,624 | 54,765 |
| 63 | VA Commonwealth U. | 58,493 | 64,709 | 68,427 | 73,915 | 31,164 | 38,509 | 42,359 | 44,304 |
| 64 | U. MA Worcester | 51,616 | 56,548 | 68,779 | 73,125 | 41,948 | 45,965 | 56,406 | 58,236 |
| 65 | Uniformed Services U. of the Health Sciences | 18,111 | 19,207 | 85,642 | 73,072 | 6,511 | 5,979 | 60,943 | 48,275 |
| 66 | Medical U. SC | 68,454 | 64,132 | 64,547 | 71,621 | 34,285 | 43,076 | 42,162 | 43,515 |
| 67 | TX A&M U. System Health Science Ctr. | 49,014 | 53,354 | 61,299 | 70,558 | 22,104 | 25,265 | 27,772 | 30,763 |
| 68 | U. TX Health Science Ctr. Houston | 87,051 | 96,241 | 95,110 | 70,097 | 65,234 | 67,031 | 67,501 | 49,043 |
| 69 | SUNY Stony Brook all campuses | 44,139 | 44,147 | 50,841 | 63,267 | 23,156 | 22,106 | 23,192 | 26,245 |
| 70 | LA State U. all campuses | 41,448 | 57,571 | 65,053 | 59,853 | 14,194 | 17,374 | 19,693 | 27,706 |
| 71 | Rush U. | 60,344 | 66,628 | 64,351 | 59,110 | 32,570 | 35,014 | 35,087 | 31,420 |
| 72 | Thomas Jefferson U. | 46,854 | 45,069 | 55,744 | 57,389 | 31,491 | 35,933 | 39,875 | 40,415 |
| 73 | TX A&M U. all campuses | 50,428 | 52,693 | 54,734 | 56,089 | 14,901 | 16,204 | 16,914 | 18,993 |
| 74 | U. CA, Berkeley | 40,377 | 45,123 | 49,041 | 55,457 | 20,664 | 24,058 | 26,091 | 32,775 |
| 75 | U. AR for Medical Sciences | 34,649 | 54,177 | 43,505 | 54,479 | 19,907 | 34,389 | 27,753 | 36,974 |
| 76 | U. OK all campuses | 38,007 | 39,234 | 46,154 | 53,272 | 14,260 | 18,074 | 24,208 | 25,786 |
| 77 | U. TN all campuses | 39,112 | 44,761 | 45,068 | 49,889 | 20,799 | 23,058 | 26,297 | 27,708 |
| 78 | U. CA Office of the President | NA | NA | 45,734 | 49,687 | NA | NA | 0 | 0 |
| 79 | U. VT | 38,070 | 44,443 | 49,502 | 48,341 | 25,532 | 31,360 | 33,679 | 31,308 |
| 80 | U. NE all campuses | 30,817 | 34,590 | 39,911 | 46,369 | 10,636 | 12,299 | 16,137 | 19,554 |
| 81 | U. HI Manoa | 21,625 | 29,145 | 51,904 | 44,450 | 17,277 | 21,725 | 32,635 | 34,510 |
| 82 | U. MO-Columbia | 37,324 | 42,069 | 45,541 | 44,381 | 17,415 | 22,747 | 24,849 | 24,462 |
| 83 | Charles R. Drew U. of Medicine and Science | 48,839 | 49,888 | 51,994 | 43,231 | 39,259 | 39,407 | 40,430 | 41,207 |
| 84 | U. MS all campuses | 30,304 i | 36,447 | 40,793 | 43,179 | 17,673 i | 26,589 | 28,929 | 30,151 |
| 85 | CO State U. | 9,760 | 11,398 | 41,432 | 42,732 | 6,942 | 7,444 | 32,848 | 28,133 |
| 86 | U. NM all campuses | 24,841 | 31,673 | 16,415 | 41,001 | 18,423 | 23,564 | 3,913 | 34,549 |
| 87 | U. PR Medical Sciences Campus | 29,089 | 31,124 i | 34,092 | 35,809 | 23,931 | 25,845 i | 28,063 | 29,863 |
| 88 | U. GA | 25,611 | 27,069 | 33,784 | 35,771 | 3,707 | 5,312 | 7,865 | 8,194 |
| 89 | WV U. | 25,483 | 31,201 | 31,546 | 35,596 | 11,348 | 15,685 | 17,138 | 16,988 |
| 90 | U. KS all campuses | 41,149 | 39,208 | 35,183 | 35,576 | 22,193 | 23,505 | 20,977 | 20,696 |
| 91 | St. Louis U. all campuses | 15,358 | 18,144 | 18,144 e | 32,536 | 13,406 | 16,623 | 16,623 e | 30,761 |
| 92 | Temple U. | 19,840 | 19,676 | 28,298 | 31,026 | 12,725 | 12,198 | 17,235 | 19,995 |
| 93 | Tulane U. | 31,918 | 31,949 | 28,611 | 31,020 | 11,838 | 13,405 | 15,411 | 14,631 |
| 94 | Rutgers, The State U. NJ all campuses | 23,926 | 27,669 | 32,218 | 29,164 | 11,767 | 16,130 | 20,790 | 17,221 |
| 95 | George Washington U. | 26,602 | 29,602 | 28,468 | 28,332 | 14,423 | 18,092 | 17,519 | 14,423 |

TABLE 54. Total and federally financed R&D expenditures in the medical sciences at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

| Rank | Institution | Total | | | | Federally financed | | | |
|------|--------------------------------|---------|---------|---------|---------|--------------------|---------|---------|---------|
| | | 2002 | 2003 | 2004 | 2005 | 2002 | 2003 | 2004 | 2005 |
| 96 | U. SC all campuses | 25,263 | 31,788 | 26,126 | 27,106 | 10,826 | 15,543 | 15,142 | 14,005 |
| 97 | MI State U. | 21,232 | 27,061 | 28,916 | 26,414 | 11,333 | 12,420 | 13,830 | 13,351 |
| 98 | Eastern VA Medical School | 21,296 | 26,719 | 27,154 | 26,343 | 8,139 | 10,778 | 12,697 | 14,318 |
| 99 | SUNY Upstate Medical U. | 16,190 | 18,992 | 22,034 | 25,116 | 8,047 | 10,542 | 13,773 | 14,399 |
| 100 | Wright State U. all campuses | 15,605 | 17,989 | 17,746 | 21,512 | 9,495 | 11,258 | 11,061 | 12,139 |
| | All other sampled institutions | 528,175 | 601,594 | 706,380 | 707,318 | 304,927 | 375,374 | 457,746 | 452,339 |

e = estimated; data were not provided by institution, prior year data used or current-year estimates were reported.

i = data point imputed.

NA = not available; institution was not surveyed separately.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$3 million in total R&D expenditures in the medical sciences.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.